BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Work : Additional Works to Jalahalli Govt School in Ward No.16

	Descriptions	Unit	No	L	B	D	Qty.	Rate	Amount
1	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete,-wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.KSRRB M200-12.2.-d o -i) Lime/Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20.								
	KSRB 2019-20 Page No .139 Item No 18.18								
	Existing Building	Cum							
			1	11.00	8.50	0.15	14.03		
	Flooring		1	11.00	8.50	0.15	14.03		
						Total Qnty	**28.05**	**601.56**	**16873.76**
	Basic Rate	557.00							
	Sub Total	557.00							
	Area Weigthage 8 %	44.56							
	Grand Total	601.56							
2	KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, ii) Dismantling Brick I Tile work. A. In lime mortar. MORTH Specification No. 202 KSRRB M200-14.2. -d o - Dismantling brick/Tile work B. In cement mortar.								
	KSRB 2019-20 Page No .139 Item No 18.23								
	Existing Building	Cum							
	Walls		2	11.00	0.23	3.20	16.19		
			5	8.50	0.23	3.20	31.28		
	Parapet Wall		1	160.90	0.23	1.00	37.01		
	Staircase Room		2	6.45	0.23	3.20	9.49		
			2	4.15	0.23	3.20	6.11		
						Total Qnty	**100.08**	**379.08**	**37939.16**
	Basic Rate	351.00							
	Sub Total	351.00							
	Area Weigthage 8 %	28.08							
	Grand Total	379.08							
3	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1								
	Ground floor	Cum							
	Toilet		1	11.00	9.00	0.45	44.55		
	Front Ground		1	73.40	50.60	0.30	1114.21		
						Total Qnty	**1158.76**	**268.92**	**311614.28**
	Basic Rate	249.00							
	Sub Total	249.00							
	Area Weigthage 8 %	19.92							
	Grand Total	268.92							
4	Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. in hard soil. I.N. 2.4								
	Ground floor	Cum							
	Footing		6	1.50	1.50	1.80	24.30		
	Round Columns		14		0.16	1.80	4.03		
	For Basement								
	Long Wall		2	11.90	1.15	2.10	57.48		
	Short Wall		2	8.45	1.15	2.10	40.81		

Partion Wall		1	7.25	1.15	2.10	17.51		
		3	5.20	0.60	0.80	7.49		
Staircase Pedestal		12	1.50	0.60	0.80	8.64		
Path Way		1	2.40	0.60	0.60	0.86		
		1	247.70	1.20	0.30	89.17		
					Total Qnty	**250.30**	**484.92**	**121373.17**
Basic Rate	449.00							
Sub Total	449.00							
Area Weigthage 8 %	35.92							
Grand Total	484.92							

5 KSRB-3.2: Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (page no - 10 item no-3.20)

KSRB 2019-20 Page No .10 Item No 3.2

Ground floor	Sqm							
Footing		6	6.00		1.80	64.80		
		14	0.16		1.80	4.03		
For Basement								
Long Wall		4	11.90		2.10	99.96		
Short Wall		4	8.45		2.10	70.98		
		2	7.25		2.10	30.45		
Partion Wall		6	5.20		0.80	24.96		
		24	1.50		0.80	28.80		
Staircase Pedestal								
		2	2.40		0.60	2.88	114.48	37418.93
					Total Qnty	**326.86**	**172.80**	**56481.75**
Basic Rate	160.00	106						
Sub Total	160.00							
Area Weigthage 8 %	12.80	8.48						
Grand Total	172.80	114.48						

6 Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. P.N. 13 It. No. 4.2

Ground floor	Cum							
Footing		6	1.50	1.50	0.15	2.03		
Round Columns		14	0.16		0.15	0.34		
For Basement								
Long Wall		2	11.90	1.15	0.15	4.11		
Short Wall		2	8.45	1.15	0.15	2.92		
		1	7.25	1.15	0.15	1.25		
Partion Wall		3	5.20	0.60	0.15	1.40		
		12	1.50	0.60	0.15	1.62		
Staircase Pedestal								
		1	2.40	0.60	0.15	0.22		
					Total Qnty	**13.87**	**5609.52**	**77817.37**
Basic Rate	5194.00							
Sub Total	5194.00							
Area Weigthage 8 %	415.52							
Grand Total	5609.52							

7 Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. cement mortar 1:6 R.N. 25 It. No. 5.6

Ground floor	Cum	
For Basement		

	Partion Wall		1	7.25	1.15	2.10	17.51		
			3	5.20	0.60	0.80	7.49		
	Staircase Pedestal		12	1.50	0.60	0.80	8.64		
	Path Way		1	2.40	0.60	0.60	0.86		
			1	247.70	1.20	0.30	89.17		
						Total Qnty	**250.30**	**484.92**	**121373.17**
	Basic Rate	449.00							
	Sub Total	449.00							
	Area Weigthage 8 %	35.92							
	Grand Total	484.92							
5	KSRB-3.2: Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (page no - 10 item no-3.20)								
	KSRB 2019-20 Page No .10 Item No 3.20								
	Ground floor	Sqm							
	Footing		6	6.00		1.80	64.80		
			14	0.16		1.80	4.03		
	For Basement								
	Long Wall		4	11.90		2.10	99.96		
	Short Wall		4	8.45		2.10	70.98		
			2	7.25		2.10	30.45		
	Partion Wall		6	5.20		0.80	24.96		
			24	1.50		0.80	28.80		
	Staircase Pedestal								
			2	2.40		0.60	2.88	114.48	37418.93
						Total Qnty	**326.86**	**172.80**	**56481.75**
	Basic Rate	160.00	106						
	Sub Total	160.00							
	Area Weigthage 8 %	12.80	8.48						
	Grand Total	172.80	114.48						
6	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. P.N. 13 It. No. 4.2								
	Ground floor	Cum							
	Footing		6	1.50	1.50	0.15	2.03		
	Round Columns		14	0.16		0.15	0.34		
	For Basement								
	Long Wall		2	11.90	1.15	0.15	4.11		
	Short Wall		2	8.45	1.15	0.15	2.92		
			1	7.25	1.15	0.15	1.25		
	Partion Wall		3	5.20	0.60	0.15	1.40		
			12	1.50	0.60	0.15	1.62		
	Staircase Pedestal								
			1	2.40	0.60	0.15	0.22		
						Total Qnty	**13.87**	**5609.52**	**77817.37**
	Basic Rate	5194.00							
	Sub Total	5194.00							
	Area Weigthage 8 %	415.52							
	Grand Total	5609.52							
7	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. cement mortar 1:6 R.N. 25 It. No. 5.6								
	Ground floor	Cum							
	For Basement								

Long Wall		2	11.90	0.75	0.60	10.71		
Short Wall		2	8.45	0.75	0.60	7.61		
		1	7.25	0.75	0.60	3.26		
Partion Wall		3	5.20	0.60	0.60	5.62		
		12	1.50	0.60	0.60	6.48		
				Total Qnty		33.67	4963.68	167144.48
Basic Rate	4596.00							
Sub Total	4596.00							
Area Weigthage 8 %	367.68							
Grand Total	4963.68							

8 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.

P.N. 25 I.I No: 5.9

Ground floor	Cum							
For Basement								
Long Wall		2	11.90	0.60	0.60	8.57		
Short Wall		2	8.45	0.60	0.60	6.08		
		1	7.25	0.60	0.60	2.61		
Long Wall		2	11.90	0.45	0.45	4.82		
Short Wall		2	8.45	0.45	0.45	3.42		
		1	7.25	0.45	0.45	1.47		
Partion Wall		3	5.20	0.45	0.45	3.16		
		12	1.50	0.45	0.45	3.65		
				Total Qnty		**33.78**	**5921.64**	**200008.57**
Basic Rate	5483.00							
Sub Total	5483.00							
Area Weigthage 8 %	438.64							
Grand Total	5921.64							

9 Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts,struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.

P.N. 14. Item NO: 4.11

Ground floor	Cum							
Footing		6	1.20	1.20	0.45	3.89		
Round Columns		14	1.00	1.00	0.45	6.30		
						10.19		
Column Pedestail		6	0.60	0.60	0.90	1.94		
Round Columns		14	0.16		0.90	2.02		
Column Upto Plinth Beam		6	0.60	0.23	0.30	0.25		
Round Columns		14	0.16		0.30	0.67		
Column From Plinth to Roof		6	0.60	0.23	3.20	2.65		
Round Columns		14	0.16		3.20	7.17		
						14.70		
For Plinth Beam								
Long Wall		1	11.90	0.23	0.45	1.23		
Short Wall		2	8.45	0.23	0.45	1.75		
Partion Walls		1	7.25	0.23	0.45	0.75		
		1	9.50	0.23	0.45	0.98		
WC		4	1.50	0.23	0.45	0.62		
		8	1.20	0.23	0.45	0.99		
		3	5.20	0.23	0.45	1.61		
						7.94		
For Lintel								
Allround		1	40.70	0.23	0.20	1.87		
						1.87		
For Roof Beam								
Long Wall		1	11.90	0.23	0.60	1.64		
Short Wall		2	8.45	0.23	0.60	2.33		
Partion Walls		1	7.25	0.23	0.45	0.75		

		1	9.50	0.23	0.45	0.98		
						5.71		
For Staircase								
Staircase Pedestal		1	2.40	0.45	0.30	0.32		
Landing		1	2.40	2.40	0.15	0.86		
Weist Slab		2	3.15	0.90	0.15	0.85		
Staircase Beam		1	2.40	0.23	0.45	0.25		
Steps		10	1.20	0.23	0.45	1.24		
						3.53		
For Roof Slab								
		1	8.45	11.90	0.15	15.08		
Deduct Staircase		-1	4.46	2.40	0.15	-1.61		
						13.48		
						57.42	**6111.72**	**350912.96**
Basic Rate	5659.00							
Sub Total	5659.00							
Area Weigthage 8 %	452.72							
Grand Total	6111.72							
First Floor								
Column		6	0.60	0.23	3.20	2.65		
Round Columns		14		0.16	3.20	7.17		
						9.82		
For Lintel								
Allround		1	40.70	0.23	0.20	1.87		
						1.87		
For Roof Beam								
Long Wall		2	11.90	0.23	0.60	3.28		
Short Wall		2	8.45	0.23	0.60	2.33		
						5.62		
For Staircase								
Landing		1	2.40	2.40	0.15	0.86		
Weist Slab		2	3.15	0.90	0.15	0.85		
Staircase Beam		1	2.40	0.23	0.45	0.25		
Steps		10	1.20	0.23	0.45	1.24		
						3.20		
For Roof Slab								
		1	8.45	11.90	0.15	15.08		
Deduct Staircase		-1	4.46	2.40	0.15	-1.61		
						13.48		
				Total Qnty		**33.99**	**6161.72**	**209430.39**
Basic Rate	5659.00							
Sub Total	5659.00							
Lift Charges	50.00							
Area Weigthage 8 %	452.72							
Grand Total	6161.72							
2nd Floor								
Column		30	0.60	0.23	3.20	13.25		
Round Columns		14		0.16	3.20	7.17		
						20.42		
For Lintel								
Allround		1	160.90	0.23	0.20	7.40		
						7.40		
For Roof Beam								
Long Wall		3	83.90	0.23	0.60	34.73		
Short Wall		14	8.45	0.23	0.60	16.33		
		1	83.90	0.23	0.30	5.79		
SR		1	6.00	0.23	0.45	0.62		
						57.47		
For Staircase								
Landing		2	2.40	2.40	0.15	1.73		
Weist Slab		4	3.15	0.90	0.15	1.70		

	Staircase Beam		2	2.40	0.23	0.45	0.50		
	Steps		20	1.20	0.23	0.45	2.48		
							6.41		
	For Roof Slab								
			1	8.45	83.90	0.15	106.34		
			1	83.90	2.00	0.15	25.17		
							131.51		
					Total Qnty		**223.21**	**6211.72**	**1386521.44**
	Basic Rate	5659.00							
	Sub Total	5659.00							
	Lift Charges	100.00							
	Area Weigthage 8 %	452.72							
	Grand Total	6211.72							
10	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for foundations, footings,bases of columns for mass concrete including cost of all materials,labour complete as per specifications. P.N-16 Item No.4.28								
	Ground floor	Sqm							
	Footing		6	4.80		0.45	12.96		
	Round Columns		14	4.00		0.45	25.20		
							38.16		
	Column Pedestail		6	2.40		0.90	12.96		
	Round Columns		14	0.16		0.90	2.02		
	Column Upto Plinth Beam		6	1.66		0.30	2.99		
	Round Columns		14	0.16		0.30	0.67		
							18.64		
	For Staircase								
	Staircase Pedestal		2	2.40		0.30	1.44		
					Total Qnty		**58.24**	**278.64**	**16226.88**
	Basic Rate	258.00							
	Sub Total	258.00							
	Area Weigthage 8 %	20.64							
	Grand Total	278.64							
11	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. P.N-16 Item No.4.32								
	Ground floor	Sqm							
	Column From Plinth to Roof		6	1.66		3.20	31.87		
	Round Columns		14	0.16		3.20	7.17		
							39.04	**492.48**	**19226.4192**
	Basic Rate	456.00							
	Sub Total	456.00							
	Area Weigthage 8 %	36.48							
	Grand Total	492.48							
	First Floor	Sqm							
			6	1.66		3.20	31.87		
			14	0.16		3.20	7.17		
							39.04		
					Total Qnty		**39.04**	**493.98**	**19284.98**
	Basic Rate	456.00							
	Sub Total	456.00							
	Lift Charges	1.50							
	Area Weigthage 8 %	36.48							
	Grand Total	493.98							
	Secound Floor	Sqm							
			30	1.66		3.20	159.36		
			14	0.16		3.20	7.17		
							166.53		
					Total Qnty		**166.53**	**495.48**	**82511.29**
	Basic Rate	456.00							
	Sub Total	456.00							
	Lift Charges	3.00							
	Area Weigthage 8 %	36.48							
	Grand Total	495.48							

2	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.								
	Ground floor	Sqm	P.N. 17		Item No. 4.84				
	For Plinth Beam								
	Long Wall		2	11.90		0.45	10.71		
	Short Wall		4	8.45		0.45	15.21		
	Partion Walls		2	7.25		0.45	6.53		
			2	9.50		0.45	8.55		
	WC		8	1.50		0.45	5.40		
			16	1.20		0.45	8.64		
			6	5.20		0.45	14.04		
	For Lintel								
	Allround		2	40.70		0.20	16.28		
	For Roof Beam								
	Long Wall		2	11.90		0.60	14.28		
	Short Wall		4	8.45		0.60	20.28		
	Partion Walls		2	7.25		0.45	6.53		
			2	9.50		0.45	8.55		
	For Staircase								
	Weist Slab		4	3.15		0.15	1.89		
	Staircase Beam		2	2.40		0.45	2.16		
	Steps		20	1.20		0.45	10.80		
					Total Qnty		**149.84**	**315.36**	**47253.54**
	Basic Rate	292.00							
	Sub Total	292.00							
	Area Weigthage 8 %	23.36							
	Grand Total	315.36							
	1st Floor								
	For Lintel								
	Allround		2	40.70		0.20	16.28		
	For Roof Beam								
	Long Wall		4	11.90		0.60	28.56		
	Short Wall		4	8.45		0.60	20.28		
	For Staircase								
	Weist Slab		4	3.15		0.15	1.89		
	Staircase Beam		2	2.40		0.45	2.16		
	Steps		20	1.20		0.45	10.80		
							79.97	**316.86**	**25339.29**
	Basic Rate	292.00							
	Sub Total	292.00							
	Lift charges	1.50							
	Area Weigthage 8 %	23.36							
	Grand Total	316.86							
	2nd Floor								
	For Lintel								
	Allround		2	160.90		0.20	64.36		
	For Roof Beam								
	Long Wall		6	83.90		0.60	302.04		
	Short Wall		28	8.45		0.60	141.96		
			2	83.90		0.30	50.34		
	SR		2	6.00		0.45	5.40		
	For Staircase								
	Weist Slab		8	3.15		0.15	3.78		
	Staircase Beam		4	2.40		0.45	4.32		
	Steps		40	1.20		0.45	21.60		

	Basic Rate	292.00				Total Qnty	593.80	318.36	189042.17
	Sub Total	292.00							
	Lift charges	3.00							
	Area Weigthage 8 %	23.36							
	Grand Total	318.36							
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. P.N. 16 Item: 4.30								
	Ground Floor	Sqm							
	For Staircase								
	Landing		1	2.40	1.20		2.88		
	Weist Slab		2	3.15	1.20		7.56		
							10.44		
	For Roof Slab								
	Staircase Pedestal		1	8.45	11.90		100.56		
			-1	4.46	2.40		-10.70		
							89.85		
	Basic Rate	440.00				Total Qnty	**100.29**	**475.20**	**47658.28**
	Sub Total	440.00							
	Area Weigthage 8 %	35.20							
	Grand Total	475.20							
	1st Floor								
	For Staircase								
	Landing		1	2.40	1.20		2.88		
	Weist Slab		2	3.15	1.20		7.56		
							10.44		
	For Roof Slab								
	Staircase Pedestal		1	8.45	11.9		100.56		
			-1	4.46	2.4		-10.70		
							89.85		
	Basic Rate	440.00				Total Qnty	**100.29**	**476.70**	**47808.72**
	Sub Total	440.00							
	Lift charges	1.50							
	Area Weigthage 8 %	35.20							
	Grand Total	476.70							
	2nd Floor								
	For Staircase								
	Landing		1	2.40	1.20		2.88		
	Weist Slab		2	3.15	1.20		7.56		
							10.44		
	For Roof Slab								
	Staircase Pedestal		1	8.45	83.90		708.96		
			1	83.90	2.00		167.80		
							876.76		
	Basic Rate	440.00				Total Qnty	**887.20**	**478.20**	**424256.65**
	Sub Total	440.00							
	Lift charges	3.00							
	Area Weigthage 8 %	35.20							
	Grand Total	478.20							
14	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. TMT bars Fe 500 P.N. 18 Item 4.46.2. Issue rate								
	Ground Floor	Sqm							
	Consider 125 Kg Per Cum		1	57.42	120.00		6889.97		
							6.89		
						Total Qnty	**6.89**	**84247.56**	**580462.99**
	Basic Rate	78007.00							
	Sub Total	78007.00							

Area Weigthage 8 %	6240.56							
Grand Total	84247.56							
1st Floor								
Consider 125 Kg Per Cum		1	33.99	120.00		4078.67		
						4.08		
				Total Qnty		**4.08**	**85055.40**	**346913.25**
Basic Rate	78007.00							
Lift Charges	748.00							
Sub Total	78755.00							
Area Weigthage 8 %	6300.40							
Grand Total	85055.40							
2nd Floor								
Consider 125 Kg Per Cum		1	223.21	120.00		26785.27		
						26.79		
				Total Qnty		**26.79**	**85863.24**	**2299869.72**
Basic Rate	78007.00							
Lift Charges	1496.00							
Sub Total	79503.00							
Area Weigthage 8 %	6360.24							
Grand Total	85863.24							

KSRB 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification. No. KBS 2.10.2

KSRB 2019-20 Page No .7 Item No 2.13

New Building Anganavadi	Sqm							
Total EarthWork						250.30		
Bed Concrete						-13.87		
Basement						-33.78		
Foundation						-10.19		
Column						-1.70		
Plinth Level Filling		1	8.45	11.90	0.49	49.27		
Play Ground		1	10.00	10.00	0.35	35.00		
				Total Qnty		**275.04**	**2224.80**	**611898.65**
Basic Rate	2060.00							
Sub Total	2060.00							
Area Weigthage 8 %	164.80							
Grand Total	2224.80							

15 KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4

KSRB 2019-20 Page No .27 Item No 5.27.1

Ground Floor	Sqm							
Long Wall		2	8.45		3.20	54.08		
Short Wall		2	11.90		3.20	76.16		
Partion		1	7.25		3.20	23.20		
		1	2.40		3.20	7.68		
Parapet Wall		1	75.50		1.00	75.50		
Deduction								
D1		-2	0.90		2.10	-3.78		
R S		-1	2.40		2.10	-5.04		
W		-1	1.50		1.20	-1.80		
V		-2	0.90		0.60	-1.08		
V1		-4	0.60		0.90	-2.16		
				Total Qnty		**222.76**	**984.96**	**219409.69**
Basic Rate	912.00							
Area Weigthage 8 %	72.96							
Sub Total	984.96							
Grand Total	984.96							
1st Floor								
Long Wall		2	11.90		3.20	76.16		
Short Wall		2	8.45		3.20	54.08		

	Room		1	3.00	3.20	9.60		
			1	3.00	3.20	9.60		
	Parapet Wall		1	75.50	1.00	75.50		
	Deduction							
	D		-2	1.20	2.10	-5.04		
	W		-4	1.50	1.20	-7.20		
	V		-1	0.90	0.60	-0.54		
					Total Qnty	**212.16**	**1014.96**	**215333.91**
	Basic Rate	912.00						
	Area Weigthage 8 %	72.96						
	Lift Charges	30.00						
	Sub Total	1014.96						
	Grand Total	1014.96						
	2st Floor							
	Long Wall		2	11.90	3.20	76.16		
	Short Wall		2	8.45	3.20	54.08		
	Long Wall		2	72.00	3.20	460.80		
	Short Wall		10	6.70	3.20	214.40		
	Parapet Wall		1	75.50	1.00	75.50		
	Head Room		4	4.40	3.20	56.32		
			4	2.40	3.20	30.72		
	Terrace Parapet		1	184.70	2.10	387.87		
	Deduction							
	D		-10	1.20	2.10	-25.20		
	D		-2	0.90	2.10	-3.78		
	S Case		-1	2.40	2.10	-5.04		
	W		-8	1.80	1.20	-17.28		
	W		-4	1.20	1.20	-5.76		
	V		-1	0.90	0.60	-0.54		
					Total Qnty	**1298.25**	**1044.96**	**1356619.32**
	Basic Rate	912.00						
	Area Weigthage 8 %	72.96						
	Lift Charges	60.00						
	Sub Total	1044.96						
	Grand Total	1044.96						
Ex	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4							
	KSRB 2019-20 Page No 27 Item No 5.27.2							
	Ground Floor	Sqm						
	Girls Toilet							
	Bath		4	1.50	2.10	12.60		
			1	5.20	2.10	10.92		
	Wc		4	1.20	2.10	10.08		
			1	5.20	2.10	10.92		
	Boys Toilet							
	Wc		4	1.20	2.10	10.08		
			1	5.20	2.10	10.92		
	Deduction							
	D		-12	0.75	2.10	-18.90		
					Total Qnty	**46.62**	**1029.24**	**47983.17**
	Basic Rate	953.00						
	Area Weigthage 8 %	76.24						
	Sub Total	1029.24						
	Grand Total	1029.24						
	2nd Floor							
	Toilet							
			12	1.50	2.10	37.80		
			3	6.50	2.10	40.95		

	Deduction								
	D		-15	0.75		2.10	-23.63		
						Total Qnty	**55.13**	**1089.24**	**60044.36**
	Basic Rate	953.00							
	Area Weigthage 8 %	76.24							
	Lift Charges	60.00							
	Sub Total	1089.24							
	Grand Total	1089.24							
16	Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum andfine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness,upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications.								
	KSRB 2019-20 Page No 15 Item No 4.19								
	Chejja								
	Ground Floor		3	1.20	0.60		2.16		
	Basic Rate	440.00				Total Qnty	**2.16**	**475.20**	**1026.432**
	Area Weigthage 8 %	35.20							
	Sub Total	475.20							
	Grand Total	475.20							
	First Floor		4	1.50	0.60		3.60		
	Basic Rate	440.00				Total Qnty	**3.60**	**480.20**	**1728.72**
	Area Weigthage 8 %	35.20							
	Lift Charges	5.00							
	Sub Total	480.20							
	Grand Total	480.20							
	Secound Floor		4	1.50	0.60		3.60		
			10	1.80	0.60		10.80		
			5	0.90	0.60		1.62		
	Basic Rate	440.00				Total Qnty	**16.02**	**485.20**	**7772.904**
	Area Weigthage 8 %	35.20							
	Lift Charges	10.00							
	Sub Total	485.20							
	Grand Total	485.20							
17	Providing wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM complete as per specifications. Honne wood frames P.N. 53 Item No. 9.11								
	Wood Frames	Cum							
	D		12	6.60	0.125	0.08	0.74		
						Total Qnty	**0.74**	**94612.32**	**70249.65**
	Basic Rate	87604.00							
	Area Weigthage 8 %	7008.32							
	Sub Total	94612.32							
	Grand Total	94612.32							
18	Providing and fixing in position fully panelled wood shutters for doors, with styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM complete as per specifications. (excluding cost of fixtures) Honne wood P.N -53 Item No. 9.15								
	Wood Frames	Sqm							
	D		12	1.20		2.10	30.24		
						Total Qnty	**30.24**	**5099.76**	**154216.74**
	Basic Rate	4722.00							
	Area Weigthage 8 %	377.76							
	Sub Total	5099.76							
	Grand Total	5099.76							

19	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding,including cost of materials, labour, curing complete as per specifications. cement mortar 1:4 Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. P.N · 116 Item NO : 15·16 C.N : 18.4								
	Ground Floor	Sqm							
	Ground Floor								
	Long Wall		3	8.45		3.20	81.12		
	Short Wall		2	11.90		3.20	76.16		
	Partion		2	7.25		3.20	46.40		
			2	2.40		3.20	15.36		
	Deduction								
	D1		-2	0.90	0.50	2.10	-1.89		
	R S		-1	2.40	0.50	2.10	-2.52		
	W		-1	1.50	0.50	1.20	-0.90		
	V		-2	0.90	0.50	0.60	-0.54		
	V1		-4	0.60	0.50	0.90	-1.08		
					Total Qnty		**212.11**	**281.88**	**59789.57**
	Basic Rate	261.00 ✓							
	Area Weigthage 8 %	20.88							
	Sub Total	281.88							
	Grand Total	281.88							
	1st Floor								
	Long Wall		2	11.90		3.20	76.16		
	Short Wall		3	8.45		3.20	81.12		
	Room		2	3.00		3.20	19.20		
			2	3.00		3.20	19.20		
	Deduction								
	D		-2	1.20	0.50	2.10	-2.52		
	W		-4	1.50	0.50	1.20	-3.60		
	V		-1	0.90	0.50	0.60	-0.27		
					Total Qnty		**189.29**	**286.88**	**54303.52**
	Basic Rate	261.00 ✓							
	Area Weigthage 8 %	20.88							
	Lift Charges	5.00							
	Sub Total	286.88							
	Grand Total	286.88							
	2st Floor								
	Long Wall		2	11.90		3.20	76.16		
	Short Wall		3	8.45		3.20	81.12		
	Long Wall		2	72.00		3.20	460.80		
	Short Wall		20	6.70		3.20	428.80		
	Deduction								
	D		-8	1.20	0.50	2.10	-10.08		
	D		-2	0.90	0.50	2.10	-1.89		
	S Case		-1	2.40	0.50	2.10	-2.52		
	W		-8	1.80	0.50	1.20	-8.64		
	W		-4	1.20	0.50	1.20	-2.88		
	V		-1	0.90	0.50	0.60	-0.27	291·88	297892·72
					Total Qnty		**1020.60**	**319.83**	**326418.91**
	Basic Rate	286.88	261.00						
	Area Weigthage 8 %	22.95	20·88						
	Lift Charges	10.00 ✓							
	Sub Total	319.83	291·88						
	Grand Total	319.83							
20	Providing 12mm thick cement plaster in single coat with cement mortar, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as								
	Ground Floor	CM: 1:3							
	Celing Plastering	Sqm							
	Toilet		1	8.05	9.10		73.26		

19	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding,including cost of materials, labour, curing complete as per specifications. cement mortar 1:4 Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. P.N: 116 Item NO: 15.16 C.N: 18.4								
	Ground Floor	Sqm							
	Ground Floor								
	Long Wall		3	8.45		3.20	81.12		
	Short Wall		2	11.90		3.20	76.16		
	Partion		2	7.25		3.20	46.40		
			2	2.40		3.20	15.36		
	Deduction								
	D1		-2	0.90	0.50	2.10	-1.89		
	R S		-1	2.40	0.50	2.10	-2.52		
	W		-1	1.50	0.50	1.20	-0.90		
	V		-2	0.90	0.50	0.60	-0.54		
	V1		-4	0.60	0.50	0.90	-1.08		
					Total Qnty		**212.11**	**281.88**	**59789.57**
	Basic Rate	261.00							
	Area Weigthage 8 %	20.88							
	Sub Total	281.88							
	Grand Total	281.88							
	1st Floor								
	Long Wall		2	11.90		3.20	76.16		
	Short Wall		3	8.45		3.20	81.12		
	Room		2	3.00		3.20	19.20		
			2	3.00		3.20	19.20		
	Deduction								
	D		-2	1.20	0.50	2.10	-2.52		
	W		-4	1.50	0.50	1.20	-3.60		
	V		-1	0.90	0.50	0.60	-0.27		
					Total Qnty		**189.29**	**286.88**	**54303.52**
	Basic Rate	261.00							
	Area Weigthage 8 %	20.88							
	Lift Charges	5.00							
	Sub Total	286.88							
	Grand Total	286.88							
	2st Floor								
	Long Wall		2	11.90		3.20	76.16		
	Short Wall		3	8.45		3.20	81.12		
	Long Wall		2	72.00		3.20	460.80		
	Short Wall		20	6.70		3.20	428.80		
	Deduction								
	D		-8	1.20	0.50	2.10	-10.08		
	D		-2	0.90	0.50	2.10	-1.89		
	S Case		-1	2.40	0.50	2.10	-2.52		
	W		-8	1.80	0.50	1.20	-8.64		
	W		-4	1.20	0.50	1.20	-2.88		
	V		-1	0.90	0.50	0.60	-0.27	291.88	247892.72
					Total Qnty		**1020.60**	**319.83**	**326418.91**
	Basic Rate	286.88	261.00						
	Area Weigthage 8 %	22.95	20.88						
	Lift Charges	10.00							
	Sub Total	319.83	291.88						
	Grand Total	319.83							
20	Providing 12mm thick cement plaster in single coat with cement mortar, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as								
	Ground Floor	CM: 1:3							
	Celing Plastering	Sqm							
	Toilet		1	8.05	9.10		73.26		

			1	2.40	3.59		8.62	253.8	
					Total Qnty		81.87	312.12	25553.58
	Basic Rate	289.00	235.00						20778.60
	Area Weigthage 8 %	23.12	18.8						
	Sub Total	312.12							
	Grand Total	312.12	253.8						
	First Floor								
	Celing Plastering	Sqm							
	Kitchen								
			1	8.05	9.10		73.26		
			1	2.40	3.59		8.62	258.8	21187.95
					Total Qnty		81.87	317.12	25962.93
	Basic Rate	289.00	235.00						
	Lift Charges	5.00							
	Area Weigthage 8 %	23.12	18.8						
	Sub Total	317.12	258.8						
	Grand Total	317.12							
	Secound Floor								
	Celing Plastering	Sqm							
	Kitchen								
			1	2.40	3.59		8.62		
			1	2.40	3.59		8.62		
	Lobby & Common Hall		1	21.14	6.30		133.18		
	Room 5,1,2,3		4	7.25	6.30		182.70		
	Room4		1	7.72	6.30		48.64		
	Toilet		1	3.80	6.30		23.94		
			1	5.98	6.30		37.67		
	Passage		1	82.90	1.75		145.08		
								263.8	155230.47
					Total Qnty		588.44	322.12	189547.97
	Basic Rate	289.00	235.00						
	Lift Charges	10.00							
	Area Weigthage 8 %	23.12	18.8						
	Sub Total	322.12							
	Grand Total	322.12	263.8						
21	Providing 20mm thick cement plaster in single coat with cement mortar, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. cement mortar 1:4		P.N. 116		Item 15.19				
	Ground Floor								
	Outside Plastering	Sqm							
	Ground Floor								
	Long Wall		2	11.90		3.80	90.44		
	Short Wall		1	8.45		3.80	32.11		
	Parapet Wall		1	75.50		2.10	158.55		
	Deduction								
	W		-5	1.50	0.50	1.20	-4.50		
					Total Qnty		276.60	292.68	80955.29
	Basic Rate	271.00	✓						
	Area Weigthage 8 %	21.68							
	Sub Total	292.68							
	Grand Total	292.68							
	First Floor								
	Outside Plastering	Sqm							
	Long Wall		2	11.90		3.80	90.44		
	Short Wall		1	8.45		3.80	32.11		
	Parapet Wall		1	75.50		2.10	158.55		
	Deduction								
	W		-5	1.50	0.50	1.20	-4.50		
					Total Qnty		276.60	297.68	82338.29
	Basic Rate	271.00	✓						
	Lift Charges	5.00							

	Area Weigthage 8 %	21.68							
	Sub Total	297.68							
	Grand Total	297.68							
	Secound Floor								
	Outside Plastering	Sqm							
	Long Wall		2	83.90		3.80	637.64		
	Short Wall		2	8.45		3.80	64.22		
	Parapet Wall		1	75.50		2.10	158.55		
	Head Room		4	4.40		3.20	56.32		
			4	2.40		3.20	30.72		
	Terrace Parapet		1	184.70		2.10	387.87		
	Deduction								
	D		-9	1.20	0.50	1.20	-6.48		
	D		-2	0.90	0.50	1.20	-1.08		
	W		-5	1.50	0.50	1.20	-4.50		
	W		-8	1.80	0.50	1.20	-8.64		
						Total Qnty	**1314.62**	**302.68**	**397909.18**
	Basic Rate	271.00							
	Lift Charges	10.00							
	Area Weigthage 8 %	21.68							
	Sub Total	302.68							
	Grand Total	302.68							
Ex	KSRB 7.12 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm. for bottom section 1.1mm thick, weight 1.205 kg/m; sides and top sections 1.2 mm. thick weight 1.093 kg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417 kg./m, shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. weight 0.469 kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles, tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading including cutting to required length, joints mitred subdividing the frame, tenoned and riveted in the assembled frame to be stiffened with end clips at corners, angles etc.; fixed to the walls, lintels, floor beams;cills, as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar; aluminium sections pretreated for removal of any rust and coated with greasy materials for non adhesion of mortar and other sticky materials; (this coating should be cleaned after installation) including cost of materials, fixtures, labour and HOM complete as per specifications.-do- using aluminium section anodized to 12 -15 microns.								
		Sqm							
	KSRB 2019-20 Page No .36 Item No 7.12.1								
	Ground Floor								
	W		5	1.50		1.20	9.00		
	V		1	0.60		0.60	0.36		
						Total Qnty	**9.36**	**4020.84**	**37635.06**
	Basic Rate	3723.00							
	Area Weigthage 8 %	297.84							
	Sub Total	4020.84							
	Grand Total	4020.84							
	First Floor								
	W		5	1.50		1.20	9.00		
	V		1	0.60		0.60	0.36		
						Total Qnty	**9.36**	**4026.84**	**37691.22**
	Basic Rate	3723.00							
	Lift Charges	6.00							
	Area Weigthage 8 %	297.84							
	Sub Total	4026.84							
	Grand Total	4026.84							
	Sec Floor								
	W		5	1.50		1.20	9.00		
	W		16	1.80		1.20	34.56		
	V		1	0.60		0.60	0.36		

		5	0.60		0.45	1.35		
					Total Qnty	**45.27**	**4032.84**	**182566.67**
Basic Rate	3723.00							
Lift Charges	12.00							
Area Weigthage 8 %	297.84							
Sub Total	4032.84							
Grand Total	4032.84							
22	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification.							
	KSRB 2019-20 Page No .109 Item No 14.44							
	Ground Floor	Sqm						
	Toilet		4	1.50	1.20	7.20		
			8	1.20	1.20	11.52		
			1	3.75	5.20	19.50		
			1	1.95	5.20	10.14		
			2	4.65	1.85	17.21		
	Skirting 15 %					9.83		
					Total Qnty	**75.40**	**1117.80**	**84281.84**
Basic Rate	1035.00							
Area Weigthage 8 %	82.80							
Sub Total	1117.80							
Grand Total	1117.80							
	Sec Floor	Sqm						
	Toilet		1	3.80	6.30	23.94		
			1	5.98	6.30	37.67		
	Skirting 15 %					9.24		
					Total Qnty	**70.86**	**1117.80**	**79202.95**
Basic Rate	1035.00							
Area Weigthage 8 %	82.80							
Sub Total	1117.80							
Grand Total	1117.80							
23	Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Colour glazed tiles 15x15 cms 6mm thick							
	KSRB 2019-20 Page No .108 Item No 14.41.1							
	Ground Floor	Sqm						
	Toilet		4	5.40	1.50	32.40		
			8	4.80	1.50	57.60		
	Steps		20	1.20	0.38	9.12		
	Deduction							
			-12	0.75	1.50	-13.50		
					Total Qnty	**85.62**	**1372.68**	**117528.86**
Basic Rate	1271.00							
Area Weigthage 8 %	101.68							
Sub Total	1372.68							
Grand Total	1372.68							
	First Floor	Sqm						
	Toilet		15	5.40	1.50	121.50		
			4	8.00	1.50	48.00		
	Steps		40	1.20	0.38	18.24		
	Deduction							
			-15	0.75	1.50	-16.88		
					Total Qnty	**170.87**	**1372.68**	**234542.97**
Basic Rate	1271.00							
Area Weigthage 8 %	101.68							
Sub Total	1372.68							
Grand Total	1372.68							

24	Providing and laying flooring using prepolished, **gang saw/water cut 19mm thick granite** laid with a bed of 20mm thick 1:4 cm & jointed ith neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications.-do- using silver grey granite I Multy Red I Ruby Red I Black I Hassan Green I River Pink Granite of width not less than 1200mm								
	KSRB 2019-20 Page No .109 Item No 14.47.1								
	Ground Floor	Sqm							
	Staircase		1	2.40	8.05		19.32		
	School Building		1	40.00	18.00		720.00		
	First Floor								
	Kitchen		1	2.40	8.05		19.32		
	School Building		1	9.10	8.05		73.26		
			1	40.00	18.00		720.00		
	Sec Floor		1	5.35	6.95		37.18		
	Kitchen		1	2.40	8.05		19.32		
	Lobby		1	9.10	8.05		73.26		
			1	21.14	6.30		133.18		
			4	7.25	6.30		182.70		
	Passage		1	7.72	6.30		48.64		
			1	72.00	1.75		126.00		
	Skirting 15 %		1	3.30	6.90		22.77		
							329.24		
	Basic Rate	2739.00			Total Qnty		**2524.18**	**2958.12**	**7466832.00**
	Area Weigthage 8 %	219.12							
	Sub Total	2958.12							
	Grand Total	2958.12							
25	KSRB 9-27.1: Fixing Door frame in an **existing opening including embedding frame** in floor and walls after cutting masonry for hold fasts for embedding hold fast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coat tar to sides of frame, making good the damages to wall and floor as required and disposal of the debris with lead upto 50m. including cost of materials, labour charges, complete as per specifications. (P-61, I-9.80)								
	KSRB 2019-20 Page No .63 Item No 9.80								
	Doors Fixing								
	D		10				10.00		
		Sqm			Total Qnty		**10.00**	**1475.28**	**14,752.00**
	Basic Rate	1366.00							
	Area Weigthage 8 %	109.28							
	Sub Total	1475.28							
	Grand Total	1475.28							
26	Providing and fixing 65mmx125mm **GRP Doorframe fabricated** using E-Glass Chopped Strand Mat (CSM) U.V.Stabilized Isopthalic Gel coat and Isopthalic resin. The Thickness of the GRP Skin shall not be less than 2.0mm. The Door frame consists of four segments, which are provided with plug-in-socket arrangement in situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement on 6 locations for high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster of Paris with fibre reinforcement. Six numbers of 260x25x5mm size S Shaped M.S.Flat hold fast. Hold fast shall be provided with the frame. (PWD SR -2016-17, P-65/I-9.96)								
	KSRB 2019-20 Page No .63 Item No 9.96								
	Toilet Doors								
	D1		4	6.00			24.00		
	D1		27	5.70			153.90		
		Rmt			Total Qnty		**177.90**	**594.00**	**1,05,672.00**
	Basic Rate	550.00							
	Area Weigthage 8 %	44.00							
	Sub Total	594.00							
	Grand Total	594.00							

27	P/F Factory made single leaf rigid **GRP Sandwich composite door shutter** of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gel coat and on layer of 45gsm E-Glass Chopped strand Mat (CSM) impregnated with orthopthalick polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Sal wood block of cross section not less than 28mm x 32mm and also necessary sal wood reinforcement for fixing the metal fittings such as tower bolts, aldrops, handles, etc., shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the sal wood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC Composites Design centre Standards and specifications and the door shutters tested in confirmation to IS 4020-1994. The finish of shutter will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. (PWD SR -2016-17, I-9.93) KSRB 2019-20 Page No .63 Item No 9.93 **Toilet Doors**									
	D1		4	0.90		2.100	7.56		
			27	0.75		2.100	42.53		
		Sqm							
	Basic Rate	3000.00				Total Qnty	**50.09**	**3240.00**	**1,62,275.00**
	Area Weigthage 8 %	240.00							
	Sub Total	3240.00							
	Grand Total	3240.00							
28	KSRB 15-17.4: Applying **priming coat over new wood surface** and /or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour , complete as per specifications (Page-115/I-15.58) **Door Priming Coat**								
			12	1.20	2.50	2.100	75.60		
		Sqm							
	Basic Rate	50.00				Total Qnty	**75.60**	**54.00**	**4,082.00**
	Area Weigthage 8 %	4.00							
	Sub Total	54.00							
	Grand Total	54.00							
29	KSRB 15-17.6: Providing and applying **painting two coats** (excluding priming coat on new wood surface and /or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (I-15.60.1) **Door Priming Coat**								
							75.60		
		Sqm				Total Qnty	**75.60**	**104.76**	**7,919.00**
	Basic Rate	97.00							
	Area Weigthage 8 %	7.76							
	Sub Total	104.76							
	Grand Total	104.76							
30	KSRB 7.9: Providing and fixing M.S.Grill work for windows and ventilators weighing 21kg/sqm using M.S.Flats, or M.S.Squared rods, or combination of M.S.Flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of all materials, fixtures, labour and HOM of machinery complete as per specifications (I-7.9) KSRB 2019-20 Page No .34 Item No 7.9								
		Sqm							
	Consider 21kg/Sqm		63.99	21.00			1343.79		
						Total Qnty	**1343.79**	**102.60**	**137872.85**
	Basic Rate	95.00							
	Area Weigthage 8 %	7.60							
	Sub Total	102.60							
	Grand Total	102.60							
31	Providing and Applying enamel metal Paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter including cost of materials labour complete as per specification **Same as Grill Work**								
			1343.79			2.100	2821.96		

		Sqm			Total Qnty	2821.96	102.60	2,89,532.00
32	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.							
	KSRB 2019-20 Page No .117 Item No 15.33							
	Qty Of Inside painting	Sqm				2174.18		
	Basic Rate	32.00			Total Qnty	2174.18	34.56	75139.70
	Area Weigthage 8 %	2.56						
	Sub Total	34.56						
	Grand Total	34.56						
33	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.							
	KSRB 2019-20 Page No .119 Item No 15.49.1							
	Qty Of Inside painting	Sqm				2174.18		
	Basic Rate	110.00			Total Qnty	2174.18	118.80	258292.70
	Area Weigthage 8 %	8.80						
	Sub Total	118.80						
	Grand Total	118.80						
34	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer							
	KSRB 2019-20 Page No ~~117~~ 120 Item No 15.53.3							
	Qty Of out side Paint	Sqm				1867.82		
	Basic Rate	102.00			Total Qnty	1867.82	110.16	205759.05
	Area Weigthage 8 %	8.16						
	Sub Total	110.16						
	Grand Total	110.16						
35	Providing and fixing **M.S. Hand railing for Balcony** with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.							
	KSRB 2019-20 Page No .44 Item No 7.35							
	Staircase							
			2	22.00		1.000	44.00	
	School Building		2	18.14		1.000	36.28	
		Sqm			Total Qnty		44.00	3067.20	1,34,956.00
	Basic Rate	2840.00						
	Area Weigthage 8 %	227.20						
	Sub Total	3067.20						
	Grand Total	3067.20						
36	KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and ccessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM complete as per specifications. Shutter size 3.00mx2.8 m Specification No. KBS 7.10 / 7.12							
	KSRB 2019-20 Page No .33 Item No7.5							
	Rolling Shutter							
			1	2.40		2.100	5.04	

		No's			Total Qnty	5.04	2815.56	14,190.00
	Basic Rate	2607.00						
	Area Weigthage 8 %	208.56						
	Sub Total	2815.56						
	Grand Total	2815.56						
37	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (pg no- 153,S.Lno-20.5)KPWD S.R 2018-19							
	KSRB 2019-20 Page No .153 Item No20.5							
	Path Way							
			1	247.70	1.20	0.230	68.37	
		Sqm				Total Qnty	**68.37**	**2032.56**	**1,38,956.00**
	Basic Rate	1882.00						
	Area Weigthage 8 %	150.56						
	Sub Total	2032.56						
	Grand Total	2032.56						
38	KSRB 14.6: Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification							
	KSRB 2019-20 Page No .103 Item No 14.6							
	Path Way							
			1	247.70	1.20		297.24	
		No's				Total Qnty	**297.24**	**1137.24**	**3,38,033.00**
	Basic Rate	1053.00						
	Area Weigthage 8 %	84.24						
	Sub Total	1137.24						
	Grand Total	1137.24						
39	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete.Page No. 27/ Item No. 5.29.2/ PWD SR 2018-19							
	KSRB 2019-20 Page No .27 Item No 5.29.2							
	Path Way							
			2	247.70			495.40	
						No's Of Kerbs	1100.89	
		No's				Total Qnty	**1100.89**	**476.28**	**5,24,331.00**
	Basic Rate	441.00						
	Area Weigthage 8 %	35.28						
	Sub Total	476.28						
	Grand Total	476.28						
40	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Page No. 180/ Item No. 24.1/ PWD SR 2018-19							
	KSRB 2019-20 Page No .180 Item No 24.1							
	Path Way							
			2	247.70		0.400	198.16	
		Sqm				Total Qnty	**198.16**	**86.40**	**17,121.00**
	Basic Rate	80.00						
	Area Weigthage 8 %	6.40						
	Sub Total	86.40						
	Grand Total	86.40						

41	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification I.No 10.5.1 P.No 69								
	KSRB 2019-20 Page No .69 Item No 10.5.1							
	Room Building							
	For Roof Slab							
			1	8.45	83.90		708.96	
			1	83.90	2.00		167.80	
		Sqm						
	Basic Rate	526.00			Total Qnty		876.76	568.08	4,98,066.00
	Area Weigthage 8 %	42.08						
	Sub Total	568.08						
	Grand Total	568.08						

41	Internal Water Supply & Electrical Estimated Attached	22146808.69 Sub Total	2,22,38,265.16
42	Internal Water Supply & Electrical Estimated Attached (For Additional School Building)	1472711.78	14,72,811.78
		1370979.54	13,71,079.54
	Total		
43	TP 5%	24990500.01	2,50,82,156.48
44	GST 12 %	1249525.00	12,54,107.82
45	DPR &PMC charges @2%	3148803.00	31,60,351.72
46	Miscellaneous, unforeseen, and rounding off	499810.00	5,01,643.13
	TOTAL	1,11,361.99	1,740.85
			3,00,00,000.00

CERTIFICATE

1) Certified that the Estimate prepared with necessary provisions as Per site conditions.

2) Certified that the estimate is prepared on the basis of PW.P & IWTD Bangalore Circle, for the year 2019-20 and Data Approved Rate

3) Certified that the above area comes under BBMP limits

Assistant Engineer
Ward No 16

Assistant Executive Engineer
Yashwanthapura sub.Division

Executive Engineer
RR Nagar Division

ಸಂ.: 23 ದಿನಾಂಕ: 02.09.2021

ಕೂ 30000000/- (Three crore only)

ಅಂಬಾಬಾ ಪಟ್ಟಣ ಅಂಕಾಸ್ಥಾನ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

TECHNICAL SANCTION

Rs: 22146808/- (Rs Two crore twenty one lakhs forty six thousand Eight hundred Eight only) is accorded under the head: P. 3853

By CE(R.R.N.) P.N. 16-17

Registered as CE (R.R.N) No: 55/21-22 subject to conditions contained in enclosed memo No: 55/21-22 Dt: 03/09/2021

CE (R.R.N.)

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Work : Additional Works to Jalahalli Govt School in Ward No.16

School Rooms

WATER SUPPLY WORKS

1	Providing & fixing Chorinated Poly Venyl(CPVC) pipes confirming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling and testing of joints complete.(External work and Burried).								
	Page No-99,Item No-13.87								
a	**25mm.dia..**	**m**							
	Page No-99,Item No-13.87.3								
	Basic Rate:	179.00							
	Area Weightage @ 8%	14.32							
	Total	**193.32**							
			1	200.00			**200.00**	**193.32**	**38664.00**
b	**32mm.dia..**	**m**							
	Page No-99,Item No-13.87.4								
	Basic Rate:	226.00							
	Area Weightage @ 8%	18.08							
	Total	**244.08**							
			1	250.00			**250.00**	**244.08**	**61020.00**
c	**40mm.dia..**	**m**							
	Page No-99,Item No-13.87.5								
	Basic Rate:	292.00							
	Area Weightage @ 8%	23.36							
	Total	**315.36**							
			1	180.00			**180.00**	**315.36**	**56764.80**
2	Providing and fixing water meter with stop cock, jam nut, socket in G.I pipe line including cutting and threading the pipe and making long screws including cost of all materials, labour , HOM of equipments and testing complete as per specifications.								
	Page No-93,Item No-13.22								
		Set							
	Basic Rate:	1320.00							
	Area Weightage @ 8%	105.60							
	Total	1425.60							
			4				**4.00**	**1425.60**	**5702.40**
3	Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality below nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification.								
	Page No-94,Item No-13.42								
	a. 25mm.dia..	**Each**							
	Basic Rate:	513.00							
	Area Weightage @ 8%	41.04							
	Total	554.04							
			5				**5.00**	**554.04**	**2770.20**
4	Providing and fixing in position brass Gate valve with CI wheel of approved quality (screwed end) below nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification.								
	Page No-93,Item No-13.35								
a	a. 32mm.dia..	**Nos**							
	Basic Rate:	830.00							

	Area Weightage @ 8%	66.40							
	Total	896.40							
			4				4.00	896.40	3585.60
b	b. 40mm.dia..	Nos							
	Page No-93,Item No-13.36								
	Basic Rate:	1040.00							
	Area Weightage @ 8%	83.20							
	Total	1123.20							
			4				4.00	1123.20	4492.80
5	KSRB13-7.1-3 : Providing and fixing in position 40mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.10 / 13.13 KSRB13-7.1-3 - do - 40 mm dia nominal bore								
	Page No-95, Item No-13.54								
	a. 40mm.dia..	**Each**							
	Basic Rate:	947.00							
	Area Weightage @ 8%	75.76							
	Total	1022.76							
			5				5.00	1022.76	5113.80
	PLUMBING WORK								
6	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required,								
	(Page No. 79, I.No. 12.5 of KPWD S.R 2018-19).								
		Each							
	Basic rate	**4956.00**							
	Area Wieght age @ 8%	**396.48**							
	Total Rate in Rs	**5352.48**							
			27				27.00		
							27.00	**5352.48**	**144516.96**
7	Providing and fixing white vitreous china clay, angle back wash basin size 600X480mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.								
	(Page No. 83, I.No. 12.28 of KPWD S.R 2018-19).								
		Unit							
	Basic rate	**3288.00**							
	Area Wieght age @ 8%	**263.04**							
	Total Rate in Rs	**3551.04**							
			12				12.00		
							12.00	**3551.04**	**42612.48**
8	Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3								
	(Page No. 93, I.No. 13.23 of KPWD S.R 2018-19).								
		Each							
	Basic rate	**190.00**							
	Area Wieght age @ 8%	**15.20**							
	Total Rate in Rs	**205.20**							
			20				20.00		
							20.00	**205.20**	**4104.00**

9	Providing and fixing C.P. brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labour complete as per specifications.								
	(Page No. 85, I.No. 12.45 of KPWD S.R 2018-19).								
		Unit							
	Basic rate	**739.00**							
	Area Wieght age @ 8%	**59.12**							
	Total Rate in Rs	**798.12**							
			8				8.00		
							8.00	**798.12**	**6384.96**
10	Providing and fixing chorinated poly vinyl Chloride (CPVC) 15mm nominal OD pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls)								
	(Page No. 99, I.No. 13.86.1 of KPWD S.R 2018-19).								
		Mtr							
	Basic rate	**206.00**							
	Area Wieght age @ 8%	**16.48**							
	Total Rate in Rs	**222.48**							
			1	310.00			310.00		
							310.00	**222.48**	**68968.80**
11	Providing and fixing chorinated poly vinyl Chloride (CPVC) 20mm nominal OD pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls)								
	(Page No. 99, I.No. 13.86.2 of KPWD S.R 2018-19).								
		Mtr							
	Basic rate	**235.00**							
	Area Wieght age @ 8%	**18.80**							
	Total Rate in Rs	**253.80**							
			1	240.00			240.00		
							240.00	**253.80**	**60912.00**
12	Providing and fixing chorinated poly vinyl Chloride (CPVC) 25mm nominal OD pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls)								
	(Page No. 99, I.No. 13.86.3 of KPWD S.R 2018-19).								
		Mtr							
	Basic rate	**293.00**							
	Area Wieght age @ 8%	**23.44**							
	Total Rate in Rs	**316.44**							
			1	250.00			250.00		
							250.00	**316.44**	**79110.00**
13	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3								

	(Page No. 94, I.No. 13.34 of KPWD S.R 2018-19).							
		Each						
	Basic rate	**449.00**						
	Area Wieght age @ 8%	**35.92**						
	Total Rate in Rs	**484.92**						
			6			6.00		
						6.00	**484.92**	**2909.52**
14	Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3							
	(Page No. 93, I.No. 13.26 of KPWD S.R 2018-19).							
		Each						
	Basic rate	**141.00**						
	Area Wieght age @ 8%	**11.28**						
	Total Rate in Rs	**152.28**						
			6			6.00		
						6.00	**152.28**	**913.68**
15	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 for internal water supply							
	(Page No. 95, I.No. 13.69 of KPWD S.R 2018-19).							
		Mtr						
	Basic rate	**228.00**						
	Area Wieght age @ 8%	**18.24**						
	Total Rate in Rs	**246.24**						
			1	200.00		200.00		
						200.00	**246.24**	**49248.00**
16	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 for internal water supply							
	(Page No. 96, I.No. 13.70.3 of KPWD S.R 2018-19).							
		Mtr						
	Basic rate	**326.00**						
	Area Wieght age @ 8%	**26.08**						
	Total Rate in Rs	**352.08**						
			1	150.00		150.00		
						150.00	**352.08**	**52812.00**
17	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 for internal water supply							
	(Page No. 96, I.No. 13.70.5 of KPWD S.R 2018-19).							
		Mtr						
	Basic rate	**450.00**						
	Area Wieght age @ 8%	**36.00**						
	Total Rate in Rs	**486.00**						
			1	80.00		80.00		
						80.00	**486.00**	**38880.00**

18	Constructing brick masonry inspection chamber for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm						
	(Page No. 75, I.No. 11.50.2 of KPWD S.R 2018-19).						
		Nos					
	Basic rate	**8490.00**					
	Area Wieght age @ 8%	**679.20**					
	Total Rate in Rs	**9169.20**					
			6			6.00	
						6.00	**9169.20**	**55015.20**
	ELECTRICAL WORK SR 2019-20						
	PART-A PVC CONDUIT & ITS ACCESSORIES						
19	Supplying heavy gauge PVC conduit pipe ……mm dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary						
a	19/20mm dia 2mm thick. (P.N0.2, I.No. 1.2.1)	Mtr				410	40	**16400.00**
b	25mm dia 2mm thick. (P.N0.2, I.No. 1.2.2)	Mtr				230	53	**12190.00**
c	32mm dia 2.5mm thick. (P.N0.2, I.No. 1.2.3)	Mtr				140	83	**11620.00**
20	**Groove cutting in walls** Supplying heavy gauge PVC Conduit Pipe ….dia ....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.						
a	19/20mm dia 2mm thick (P No 2 ; I No 1.3.1)	Mtr				170	51.00	**8670.00**
b	25mm dia 2mm thick (P No 2 ; I No 1.3.2)	Mtr				90	54.00	**4860.00**
c	32mm dia 2.5mm thick (P No 2 ; I No 1.3.3)	Mtr				80	81.00	**6480.00**
21	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete.						
a	upto 50mm conduit in (P No 3 ; I No 1.7.1)	Mtr				85	21.00	**1785.00**
b	upto 50mm conduit CC (P No 3 ; I No 1.7.2)	Mtr				55	38.00	**2090.00**
22	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm …. etc. as required.25mm						
	(P.N0 3, I No 1.8.2)	Mtr				150	24.00	**3600.00**
23	Supplying And Fixing Metal Fan Box with Round Hook .(P.N0 3, I No 1.12)	No				3	85	**255.00**
	PART-B WIRES & CABLES						

24	**Point wiring using Copper wire without switch**. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A						
a	Short point upto 3Mtr (P No 5 ; I No 2.2.1)	Pts			18	160	2880.00
b	Medium point above 3M. (P No 5 ; I No 2.2.2)	Pts			12	250	3000.00
c	Long point above 6Mtr. (P No 5 ; I No 2.2.3)	Pts			8	375	3000.00
d	Two outlet in a row, (P No 5 ; I No 2.2.4)	Pts			22	475	10450.00
e	Three outlet in a row, (P No 5 ; I No 2.2.5)	Pts			23	675	15525.00
25	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.						
a	1.5 sqmm (P.No. 5, I.No.2.3.2)	Mtr			950	20.50	19475.00
b	2.5 sqmm (P.No. 6, I.No.2.3.3)	Mtr			1920	32.00	61440.00
c	4 sqmm (P.No. 6, I.No.2.3.4)	Mtr			940	45.00	42300.00
d	6 sqmm (P.No. 6, I.No.2.3.5)	Mtr			450	70.00	31500.00
e	10 sqmm (P.No. 6, I.No.2.3.6)	Mtr			180	115.00	20700.00
	PART-C SWITHES AND SOCKETS						
26	Supplying and **flush mounting powder coated / galvanized metal box** suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall						
a	1-3Way (P.NO 9, I No 3.4.1)	No			25	95.00	2375.00
b	4-5Way (P.NO 9, I No 3.4.2)	No			20	105.00	2100.00
c	6Way (P.NO 9, I No 3.4.3)	No			25	125.00	3125.00
d	8Way (P.NO 9, I No 3.4.4)	No			15	145.00	2175.00
e	10-12Way (P.NO 9, I No 3.4.5)	No			8	165.00	1320.00
27	Supplying and fixing **superior quality modular switch mounting polycarbonate plate** with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing						
a	1 to 3 Module (P.NO 9, I No 3.5.1)	No			10	110.00	1100.00
b	4 Module (P.NO 9, I No 3.5.2)	No			10	125.00	1250.00
c	6 Module (P.NO 9, I No 3.5.3)	No			10	175.00	1750.00
d	8 Module (P.NO 9, I No 3.5.4)	No			3	200.00	600.00
e	12 Module (P.NO 9, I No 3.5.5)	No			2	230.00	460.00
28	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.					70.0	1400.00
a	6Amps one way.	No			20	75.00	1500.00

	(P.NO 10, I No 3.6.1)								
b	6Amps two way	No					15	95.00	**1425.00**
	(P.NO 10, I No 3.6.2)								
c	6Amps 3way socket.	No					5	105.00	**525.00**
	(P.NO 10, I No 3.6.3)								
d	Stepped Fan Regulator.	No					8	290.00	**2320.00**
	(P.NO 10, I No 3.6.4)								
e	16Amps one way switch	No					20	115.00	**2300.00**
	(P.NO 10, I No 3.6.8)								
f	6/16Amps universal	No					12	162.00	**1944.00**
	(P.NO 10, I No 3.6.11)								
29	Supplying 50mm **wooden plug**, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slab.								
	(P.NO 10, I No 3.11)	No					450	7.00	**3150.00**
30	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws								
	P.NO.71, I No 13.2.1)	No					3	220.00	**660.00**
	PART-D-CONTROL SWITCHGEARS AND ACCESSORIES								
31	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws.								
	20"x20"x2.5"	No					25	292.00	**7300.00**
	(P No 24,I No 5.6.6)								
32	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.								
	63 Amps	No					5	227.00	**1135.00**
	(P.No.25, I.No.5.7.3)								
33	Supplying of on load change over switches 4 poles, AC-23A Duty, 415V, 50Hz, AC Supply. With all accessories.(SM Enclosure Sheet Metal Execution)								
	Upto 63 Amps	No					1	5300.00	**5300.00**
	(P.No.26, I.No.5.12.1)								
34	Supplying and fixing regular MCCB distribution Panel confirming to IS 8828, on wall / wood board / flush mounting using required clamps, bolts, nuts, etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door withnecessary bus bar completely wired to use on 440Volts 3phase 4 wire powder coated painting etc., complete with a provision for fixing of single/three phase suitable capacity MCCB/MCB's as outgoings confirming to IS8828.								
	4 Way	No					1	7000.00	**7000.00**
	(P.No.27, I.No.5.16.1)								
35	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.								
a	6-32 Amps SP. Group'A'	No					2	434.00	**868.00**
	(P.No.27, I.No.5.17.1)								
b	5-32 Amps DP. Group'A'	No					2	909.00	**1818.00**
	(P.No.27, I.No. 5.17.4)								
c	6-32Amps TPN	No					1	1715.00	**1715.00**
	(P.No.27, I.No.5.17.7)								
d	50-63 Amps TPN.	No					1	2397.00	**2397.00**
	(P.No.27, I.No.5.17.9)								
36	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door								
a	12 way SPN	No					1	1800.00	**1800.00**
	(P.No.28, I.No. 5.18.8)								

b	4 way TPN (P.No.28, I.No.5.18.9)	No					1	2650.00	**2650.00**
c	6 way TPN (P.No.28, I.No.5.18.10)	No					1	3330.00	**3330.00**
37	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V up to 300mA sensitivity on existing wood/panel board								
a	25 Amps DP (P.No.28, I.No.5.19.2)	No					2	3700	**7400.00**
b	32 Amps 4 pole (P.No.28, I.No.5.19.8)	No					1	4285	**4285.00**
38	Supplying, fixing and wiring earth leakage relay with core balanced current transformer suitable for single phase 50 Hz AC with latest microcontroller based, digital readout of percentage leakage current, programmable delay/auto/ manual reset facility suitable to mount on DIN rail/ flush mounting on panel board								
	(P.No.28, I.No.5.21)	No					1	7700.00	**7700.00**
39	Supplying, fixing and wiring 3 Phase Digital Ammeter /Voltmeter.								
	(P.No.29, I.No.5.29)	No					2	1185.00	**2370.00**
40	Supplying of multi function digital meter with three line back light LCD type display for voltage, Current, frequency, Power, power factor, KVA, KWH,KVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as required with communication Port and Class 0.5								
	(P.No.29, I.No.5.33)	No					1	7750.00	**7750.00**
41	Supplying, fixing and wiring 50/5 to 400/5Amps 5VA burden Current Transformer. Class 0.5 accuracy with Tape Wound.								
	(P.No.29, I.No.5.34)	No					2	468.00	**936.00**
42	Supplying, fixing and wiring Electronic Trivector Meter (ETV) 5 to 32/63 Amps three phase 4 wire whole current class-1 Accuracy Energy Meter.								
	(P.No.29, I.No.5.35)	No					2	4745.00	**9490.00**
43	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.								
	(P.No.29, I.No.5.38)	No					3	430.00	**1290.00**
44	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 volts grade, for power factor improvement of rotating machineries like induction motor.								
	(P.No.29, I.No.5.37)	No					5	400.00	**2000.00**
45	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/ DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.								
	100Amps 4x30x6mm (P.No.30, I.No.5.40.1)	Mtr					6.00	2050.00	**12300.00**
46	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat … with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.								
a	40*40*6mm (P.No.30, I.No.5.41.1)	Mtr					6	255.00	**1530.00**
b	50X100X50X6mm C (P.No.30, I.No.5.41.4)	Mtr					5	630.00	**3150.00**
47	Fabricating supplying and mounting MS box made out **14SWG** suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.								
	(P.No.30, I.No.5.42.1)	Sqcms					40000	0.40	**16000.00**

PART-E-LT UG CABLES

48	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit … The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have								
	(P.No.40, I.No.6.1)	No					3	2999.70	**8999.10**
49	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be								
	(P.No.40, I.No.6.2)	No					1	4150.00	**4150.00**
50	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip								
a	GI Strip. 25x3mm (P.No.40, I.No.6.3.1)	Mtr					4	75.00	**300.00**
b	Copper strip. 25x3mm. (P.No.40, I.No.6.3.6)	Mtr					3	505.00	**1515.00**
51	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc.								
	12 SWG. Copper Wire (P No 43, I No 6.18.4)	Mtr					45	58.00	**2610.00**
52	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms								
	3.5 core 25 sqmm (P.No.40, I.No. 6.4.5)	Mtr					15	180.00	**2700.00**
53	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.**In existing trench/duct.**								
a	25 sqmm to 75 sqmm (P.No. 41 I.No.6.5.2)	Mtr					10	15.50	**155.00**
b	On wall structure. 25 (P.No. 41 I.No.6.5.7)	Mtr					10	35.00	**350.00**
54	Digging of trench of 0.6m deep * 0.50mtr wide refiling the trench to the required ground level & consolidating etc., complete. (As per Civil SR KSRB I-2, P.7)								
	In soil (hard) (P.No. 41 I.No.6.6.2)	Mtrs					15	102.00	**1530.00**
55	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable.								
	(P.No. 41 I.No.6.7)	Mtrs					15	100.00	**1500.00**
56	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.								
	65mm (P.No. 42, I.No.6.9.3)	Mtrs					10	566.00	**5660.00**
57	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only)								
	32mm dia (P.No. 42, I.No.6.11.3)	No					20	117.00	**2340.00**

58	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.								
a	2.5sqmm (P.No.43 I.No 6.17.2)	No					20	4.00	**80.00**
b	4sqmm (P.No.43 I.No 6.17.3)	No					15	7.00	**105.00**
c	6sqmm (P.No.43 I.No 6.17.4)	No					12	7.00	**84.00**
d	10sqmm (P.No.43 I.No 6.17.5)	No					12	8.00	**96.00**
e	25 sqmm Long Barrel (P.No.43 I.No 6.17.7)	No					15	20.00	**300.00**
59	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/79 and also comply with IS:1709/1984 with latest amendment, Rated voltage 220 V/ 50 Hz, Rated power input 48 W +/- 10 %, Rated current As per IS:374/79, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value ≥ 4.2 CMM / Watt, Three Blades of blade leaf 1.05mm thick Aluminium Alloy sheet, Class B motor insulation,Bearing Two ball bearings, Top 6202, Bottom 6201 , as per IS specification, Motor wdg. Temp rise Shall not exceed 75 degC over and ambient of 40 0C by resistance method at 245Volts, Insulation resistance Shall not be less than Two Mega Ohms (2 M Ohms), Leakage current Should not exceed 210Micro Amp, Power input, watt& current , Air Delivery & Fan Speed as per IS:374/1979 with latest amendment, 2 year manufacturer Warranty 48" Sweep 5 Star (1200mm)								
	(P.No.46 I.No 7.4.1)	No					15	2900.00	**43500.00**
	PART-F-LIGHT FIXTURES								
60	Supplying & fixing retrofit type -PL- LED Lamp 8-9W LED linear source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to beintegrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to275 volts. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. 8-9 Watts								
	(P.No.64 I.No 12.2.1)	No					25	350.00	**8750.00**
61	Supplying of .....feet - PVC Batten with integrated LED tube.....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.LED light fighting 1 x4'- 20/22 w								
a	LED light fighting 1 x4'- (P.No.64 I.No 12.3.2)	No					13	375.00	**4875.00**
b	LED light fighting 2x 4' - (P.No.64 I.No 12.3.3)	No					4	625.00	**2500.00**
62	Fixing all types and all capacities of fluorescent / false ceiling/ spot light / CFL / LED fittings indoor on the wall / ceiling /rafters / girders using 23/0.0076" twin twisted PVC insulatedwires, required Nos of round blocks and clamps.								
	(P.NO.79,14.7.1)	No					15	110.00	**1650.00**
63	KSRB 13-11 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM and testing complete as per specifications. (For 1000 litre capacity) Specification No.KBS 13.22								
	Pg No. 96, Sl.no 13.78, KPWD SR-2018-19								
	Basic rate	**Nos**							
		6828.00							

	Area Wieght age @ 8%	**546.24**							
	Total Rate in Rs	**7374.24**							
			2						
							2.00		
							2.00	**7374.24**	**14748.48**
65	Supplying 50 litres capacity vertical/horizontal type wall mounting Electrical water heater with 22 SWG copper/SS sheet metal inner Container tinned inside and anticorrosive paint outside and 20 SWG M.S. sheet metal outer cover filled with glass wool between inner and outer container for thermal insulation complete. The inlet and outlet pipes so arranged that water flow inside results in water to flow out from the inner container without turbulence. The Inner container shall have direct immersion type copper tube nickel plate .2KW capacity element with a neon indicator fitted with 20A capacity 25 to 85 degree Centigrade range thermostat. The water heater shall completely be wired with 40/0.0076 inch 3 core copper flexible wire of 1.5 meters length and the outer container provided with heavy gauge brackets for wall mounting. (Electric SR I no 8.1.5 (P.NO.46,13.13.2)	No					10	16000.00	**160000.00**
							Sub Total		**1472811.78**

1472711.78

Assistant Engineer
Ward No 16

Assistant Executive Engineer
Yashwanthapura sub Division

Executive Engineer
RR Nagar Division

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Work : Additional Works to Jalahalli Govt School in Ward No.16

Addition of School Estimation

WATER SUPPLY WORKS

1	Providing & fixing Chorinated Poly Venyl(CPVC) pipes confirming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling and testing of joints complete.(External work and Burried).								
	Page No-99,Item No-13.87								
a	**25mm.dia..**	**m**							
	Page No-99,Item No-13.87.3								
	Basic Rate:	179.00							
	Area Weightage @ 8%	14.32							
	Total	**193.32**							
			1	250.00			**250.00**	**193.32**	**48330.00**
b	**32mm.dia..**	**m**							
	Page No-99,Item No-13.87.4								
	Basic Rate:	226.00							
	Area Weightage @ 8%	18.08							
	Total	**244.08**							
			1	300.00			**300.00**	**244.08**	**73224.00**
c	**40mm.dia..**	**m**							
	Page No-99,Item No-13.87.5								
	Basic Rate:	292.00							
	Area Weightage @ 8%	23.36							
	Total	**315.36**							
			1	190.00			**190.00**	**315.36**	**59918.40**
2	Providing and fixing water meter with stop cock, jam nut, socket in G.I pipe line including cutting and threading the pipe and making long screws including cost of all materials, labour , HOM of equipments and testing complete as per specifications.								
	Page No-93,Item No-13.22								
		Set							
	Basic Rate:	1320.00							
	Area Weightage @ 8%	105.60							
	Total	1425.60							
			6				**6.00**	**1425.60**	**8553.60**
3	Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality below nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification.								
	Page No-94,Item No-13.42								
	a. 25mm.dia..	**Each**							
	Basic Rate:	513.00							
	Area Weightage @ 8%	41.04							
	Total	554.04							
			7				**7.00**	**554.04**	**3878.28**
4	Providing and fixing in position brass Gate valve with CI wheel of approved quality (screwed end) below nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification.								
	Page No-93,Item No-13.35								
a	a. 32mm.dia..	**Nos**							
	Basic Rate:	830.00							

	Area Weightage @ 8%	66.40					
	Total	896.40					
			6		6.00	896.40	5378.40
b	b. 40mm.dia..	**Nos**					
	Page No-93,Item No-13.36						
	Basic Rate:	1040.00					
	Area Weightage @ 8%	83.20					
	Total	1123.20					
			6		6.00	1123.20	6739.20
5	KSRB13-7.1-3 : Providing and fixing in position 40mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.10 / 13.13 KSRB13-7.1-3 - do - 40 mm dia nominal bore						
	Page No-95, Item No-13.54						
	a. 40mm.dia..	**Each**					
	Basic Rate:	947.00					
	Area Weightage @ 8%	75.76					
	Total	1022.76					
			6		6.00	1022.76	6136.56
	PLUMBING WORK						
6	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required,						
	(Page No. 79, I.No. 12.5 of KPWD S.R 2018-19).						
		Each					
	Basic rate	**4956.00**					
	Area Wieght age @ 8%	**396.48**					
	Total Rate in Rs	**5352.48**					
			10		10.00		
					10.00	**5352.48**	**53524.80**
7	Providing and fixing white vitreous china clay, angle back wash basin size 600X480mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets. 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.						
	(Page No. 83, I.No. 12.28 of KPWD S.R 2018-19).						
		Unit					
	Basic rate	**3288.00**					
	Area Wieght age @ 8%	**263.04**					
	Total Rate in Rs	**3551.04**					
			6		6.00		
					6.00	**3551.04**	**21306.24**
8	Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3						
	(Page No. 93, I.No. 13.23 of KPWD S.R 2018-19).						
		Each					
	Basic rate	**190.00**					
	Area Wieght age @ 8%	**15.20**					
	Total Rate in Rs	**205.20**					
			20		20.00		
					20.00	**205.20**	**4104.00**

9	Providing and fixing C.P. brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labour complete as per specifications. **(Page No. 85, I.No. 12.45 of KPWD S.R 2018-19).**							
		Unit						
	Basic rate	**739.00**						
	Area Wieght age @ 8%	**59.12**						
	Total Rate in Rs	**798.12**						
			8			8.00		
						8.00	**798.12**	**6384.96**
10	Providing and fixing chorinated poly vinyl Chloride (CPVC) 15mm nominal OD pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls) **(Page No. 99, I.No. 13.86.1 of KPWD S.R 2018-19).**							
		Mtr						
	Basic rate	**206.00**						
	Area Wieght age @ 8%	**16.48**						
	Total Rate in Rs	**222.48**						
			1	350.00		350.00		
						350.00	**222.48**	**77868.00**
11	Providing and fixing chorinated poly vinyl Chloride (CPVC) 20mm nominal OD pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls) **(Page No. 99, I.No. 13.86.2 of KPWD S.R 2018-19).**							
		Mtr						
	Basic rate	**235.00**						
	Area Wieght age @ 8%	**18.80**						
	Total Rate in Rs	**253.80**						
			1	260.00		260.00		
						260.00	**253.80**	**65988.00**
12	Providing and fixing chorinated poly vinyl Chloride (CPVC) 25mm nominal OD pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and making good walls) **(Page No. 99, I.No. 13.86.3 of KPWD S.R 2018-19).**							
		Mtr						
	Basic rate	**293.00**						
	Area Wieght age @ 8%	**23.44**						
	Total Rate in Rs	**316.44**						
			1	260.00		260.00		
						260.00	**316.44**	**82274.40**
13	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3							

	(Page No. 94, I.No. 13.34 of KPWD S.R 2018-19).								
		Each							
	Basic rate	**449.00**							
	Area Wieght age @ 8%	**35.92**							
	Total Rate in Rs	**484.92**							
			6				6.00		
							6.00	**484.92**	**2909.52**
14	Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3								
	(Page No. 93, I.No. 13.26 of KPWD S.R 2018-19).								
		Each							
	Basic rate	**141.00**							
	Area Wieght age @ 8%	**11.28**							
	Total Rate in Rs	**152.28**							
			6				6.00		
							6.00	**152.28**	**913.68**
15	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 for internal water supply								
	(Page No. 95, I.No. 13.69 of KPWD S.R 2018-19).								
		Mtr							
	Basic rate	**228.00**							
	Area Wieght age @ 8%	**18.24**							
	Total Rate in Rs	**246.24**							
			1	250.00			250.00		
							250.00	**246.24**	**61560.00**
16	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 for internal water supply								
	(Page No. 96, I.No. 13.70.3 of KPWD S.R 2018-19).								
		Mtr							
	Basic rate	**326.00**							
	Area Wieght age @ 8%	**26.08**							
	Total Rate in Rs	**352.08**							
			1	200.00			200.00		
							200.00	**352.08**	**70416.00**
17	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 for internal water supply connection. 110mm dia								
	(Page No. 96, I.No. 13.70.5 of KPWD S.R 2018-19).								
		Mtr							
	Basic rate	**450.00**							
	Area Wieght age @ 8%	**36.00**							
	Total Rate in Rs	**486.00**							
			1	120.00			120.00		
							120.00	**486.00**	**58320.00**

18	Constructing brick masonry inspection chamber for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm **(Page No. 75, I.No. 11.50.2 of KPWD S.R 2018-19).**								
	Basic rate	**Nos**	**8490.00**						
	Area Wieght age @ 8%		**679.20**						
	Total Rate in Rs		**9169.20**						
				7				7.00	
								7.00	**9169.20**	**64184.40**
	ELECTRICAL WORK SR 2019-20									
	PART-A PVC CONDUIT & ITS ACCESSORIES									
19	Supplying heavy gauge PVC conduit pipe ……mm dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary									
a	19/20mm dia 2mm thick. (P.N0.2, I.No. 1.2.1)	Mtr						420	40	**16800.00**
b	25mm dia 2mm thick. (P.N0.2, I.No. 1.2.2)	Mtr						250	53	**13250.00**
c	32mm dia 2.5mm thick. (P.N0.2, I.No. 1.2.3)	Mtr						160	83	**13280.00**
20	**Groove cutting in walls** Supplying heavy gauge PVC Conduit Pipe ….dia ....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.									
a	19/20mm dia 2mm thick (P No 2 ; I No 1.3.1)	Mtr						175	51.00	**8925.00**
b	25mm dia 2mm thick (P No 2 ; I No 1.3.2)	Mtr						95	54.00	**5130.00**
c	32mm dia 2.5mm thick (P No 2 ; I No 1.3.3)	Mtr						85	81.00	**6885.00**
21	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete.									
a	upto 50mm conduit in (P No 3 ; I No 1.7.1)	Mtr						90	21.00	**1890.00**
b	upto 50mm conduit CC (P No 3 ; I No 1.7.2)	Mtr						60	38.00	**2280.00**
22	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm …. etc. as required.25mm (P.N0 3, I No 1.8.2)	Mtr						160	24.00	**3840.00**
23	Supplying And Fixing Metal Fan Box with Round Hook (P.N0 3, I No 1.12)	No						3	85	**255.00**
	PART-B WIRES & CABLES									

24	**Point wiring using Copper wire without switch**. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A								
a	Short point upto 3Mtr (P No 5 ; I No 2.2.1)	Pts					45	160	**7200.00**
b	Medium point above 3M. (P No 5 ; I No 2.2.2)	Pts					20	250	**5000.00**
c	Long point above 6Mtr. (P No 5 ; I No 2.2.3)	Pts					12	375	**4500.00**
d	Two outlet in a row. (P No 5 ; I No 2.2.4)	Pts					35	475	**16625.00**
e	Three outlet in a row, (P No 5 ; I No 2.2.5)	Pts					25	675	**16875.00**
25	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.								
a	1.5 sqmm (P.No. 5, I.No.2.3.2)	Mtr					1500	20.50	**30750.00**
b	2.5 sqmm (P.No. 6, I.No.2.3.3)	Mtr					2430	32.00	**77760.00**
c	4 sqmm (P.No. 6, I.No.2.3.4)	Mtr					1120	45.00	**50400.00**
d	6 sqmm (P.No. 6, I.No.2.3.5)	Mtr					680	70.00	**47600.00**
e	10 sqmm (P.No. 6, I.No.2.3.6)	Mtr					190	115.00	**21850.00**
	PART-C SWITHES AND SOCKETS								
26	Supplying and **flush mounting powder coated / galvanized metal box** suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall								
a	1-3Way (P.NO 9, I No 3.4.1)	No					27	95.00	**2565.00**
b	4-5Way (P.NO 9, I No 3.4.2)	No					22	105.00	**2310.00**
c	6Way (P.NO 9, I No 3.4.3)	No					26	125.00	**3250.00**
d	8Way (P.NO 9, I No 3.4.4)	No					14	145.00	**2030.00**
e	10-12Way (P.NO 9, I No 3.4.5)	No					8	165.00	**1320.00**
27	Supplying and fixing **superior quality modular switch mounting polycarbonate plate** with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.								
a	1 to 3 Module (P.NO 9, I No 3.5.1)	No					10	110.00	**1100.00**
b	4 Module (P.NO 9, I No 3.5.2)	No					10	125.00	**1250.00**
c	6 Module (P.NO 9, I No 3.5.3)	No					10	175.00	**1750.00**
d	8 Module (P.NO 9, I No 3.5.4)	No					3	200.00	**600.00**
e	12 Module (P.NO 9, I No 3.5.5)	No					2	230.00	**460.00**
28	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.								

a	6Amps one way. (P.NO 10, I No 3.6.1)	No					20	75.00	1500.00
b	6Amps two way (P.NO 10, I No 3.6.2)	No					15	95.00	1425.00
c	6Amps 3way socket. (P.NO 10, I No 3.6.3)	No					5	105.00	525.00
d	Stepped Fan Regulator. (P.NO 10, I No 3.6.4)	No					8	290.00	2320.00
e	16Amps one way switch (P.NO 10, I No 3.6.8)	No					20	115.00	2300.00
f	6/16Amps universal (P.NO 10, I No 3.6.11)	No					12	162.00	1944.00
29	Supplying 50mm **wooden plug**, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slab.								
	(P.NO 10, I No 3.11)	No					450	7.00	3150.00
30	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws								
	P.NO.71, I No 13.2.1)	No					3	220.00	660.00
	PART-D-CONTROL SWITCHGEARS AND ACCESSORIES								
31	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws.								
	20"x20"x2.5" (P No 24,I No 5.6.6)	No					25	292.00	7300.00
32	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.								
	63 Amps (P.No.25, I.No.5.7.3)	No					5	227.00	1135.00
33	Supplying of on load change over switches 4 poles, AC-23A Duty, 415V, 50Hz, AC Supply. With all accessories.(SM Enclosure Sheet Metal Execution)								
	Upto 63 Amps (P.No.26, I.No.5.12.1)	No					1	5300.00	5300.00
34	Supplying and fixing regular MCCB distribution Panel confirming to IS 8828, on wall / wood board / flush mounting using required clamps, bolts, nuts, etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door withnecessary bus bar completely wired to use on 440Volts 3phase 4 wire powder coated painting etc., complete with a provision for fixing of single/three phase suitable capacity MCCB/MCB's as outgoings confirming to IS8828.								
	4 Way (P.No.27, I.No.5.16.1)	No					1	7000.00	7000.00
35	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.								
a	6-32 Amps SP. Group'A' (P.No.27, I.No.5.17.1)	No					2	434.00	868.00
b	5-32 Amps DP. Group'A' (P.No.27, I.No. 5.17.4)	No					2	909.00	1818.00
c	6-32Amps TPN (P.No.27, I.No.5.17.7)	No					1	1715.00	1715.00
d	50-63 Amps TPN. (P.No.27, I.No.5.17.9)	No					1	2397.00	2397.00
36	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door								
a	12 way SPN	No					1	1800.00	1800.00

	(P.No.28, I.No. 5.18.8)								
b	4 way TPN	No					1	2650.00	**2650.00**
	(P.No.28, I.No.5.18.9)								
c	6 way TPN	No					1	3330.00	**3330.00**
	(P.No.28, I.No.5.18.10)								
37	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V up to 300mA sensitivity on existing wood/panel board								
a	25 Amps DP	No					2	3700	**7400.00**
	(P.No.28, I.No.5.19.2)								
b	32 Amps 4 pole	No					1	4285	**4285.00**
	(P.No.28, I.No.5.19.8)								
38	Supplying, fixing and wiring earth leakage relay with core balanced current transformer suitable for single phase 50 Hz AC with latest microcontroller based, digital readout of percentage leakage current, programmable delay/auto/ manual reset facility suitable to mount on DIN rail/ flush mounting on panel board								
	(P.No.28, I.No.5.21)	No					1	7700.00	**7700.00**
39	Supplying, fixing and wiring 3 Phase Digital Ammeter /Voltmeter.								
	(P.No.29, I.No.5.29)	No					2	1185.00	**2370.00**
40	Supplying of multi function digital meter with three line back light LCD type display for voltage, Current, frequency, Power, power factor, KVA, KWH,KVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as required with communication Port and Class 0.5								
	(P.No.29, I.No.5.33)	No					1	7750.00	**7750.00**
41	Supplying, fixing and wiring 50/5 to 400/5Amps 5VA burden Current Transformer. Class 0.5 accuracy with Tape Wound.								
	(P.No.29, I.No.5.34)	No					2	468.00	**936.00**
42	Supplying, fixing and wiring Electronic Trivector Meter (ETV) 5 to 32/63 Amps three phase 4 wire whole current class-1 Accuracy Energy Meter.								
	(P.No.29, I.No.5.35)	No					2	4745.00	**9490.00**
43	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.								
	(P.No.29, I.No.5.38)	No					3	430.00	**1290.00**
44	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 volts grade. for power factor improvement of rotating machineries like induction motor.								
	(P.No.29, I.No.5.37)	No					5	400.00	**2000.00**
45	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/ DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.								
	100Amps 4x30x6mm (P.No.30, I.No.5.40.1)	Mtr					6.00	2050.00	**12300.00**
46	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat … with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.								
a	40*40*6mm (P.No.30, I.No.5.41.1)	Mtr					6	255.00	**1530.00**
b	50X100X50X6mm C (P.No.30, I.No.5.41.4)	Mtr					5	630.00	**3150.00**
47	Fabricating supplying and mounting MS box made out **14SWG** suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.								

	(P.No.30, I.No.5.42.1)	Sqcms					40000	0.40	16000.00
	PART-E-LT UG CABLES								
48	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit … The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have								
	(P.No.40, I.No.6.1)	No					3	2999.70	8999.10
49	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be								
	(P.No.40, I.No.6.2)	No					1	4150.00	4150.00
50	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip								
a	GI Strip. 25x3mm	Mtr					4	75.00	300.00
	(P.No.40, I.No.6.3.1)								
b	Copper strip. 25x3mm.	Mtr					3	505.00	1515.00
	(P.No.40, I.No.6.3.6)								
51	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc.								
	12 SWG. Copper Wire	Mtr					45	58.00	2610.00
	(P No 43, I No 6.18.4)								
52	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms								
	3.5 core 25 sqmm	Mtr					15	180.00	2700.00
	(P.No.40, I.No. 6.4.5)								
53	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.**In existing trench/duct.**								
a	25 sqmm to 75 sqmm	Mtr					10	15.50	155.00
	(P.No. 41 I.No.6.5.2)								
b	On wall structure. 25	Mtr					10	35.00	350.00
	(P.No. 41 I.No.6.5.7)								
54	Digging of trench of 0.6m deep * 0.50mtr wide refiling the trench to the required ground level & consolidating etc., complete. (As per Civil SR KSRB I-2, P.7)								
	In soil (hard)	Mtrs					15	102.00	1530.00
	(P.No. 41 I.No.6.6.2)								
55	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable.								
	(P.No. 41 I.No.6.7)	Mtrs					15	100.00	1500.00
56	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.								
	65mm	Mtrs					10	566.00	5660.00
	(P.No. 42, I.No.6.9.3)								
57	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only)								
	32mm dia	No					20	117.00	2340.00

	(P.No. 42, I.No.6.11.3)								
58	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.								
a	2.5sqmm	No					20	4.00	**80.00**
	(P.No.43 I.No 6.17.2)								
b	4sqmm	No					15	7.00	**105.00**
	(P.No.43 I.No 6.17.3)								
c	6sqmm	No					12	7.00	**84.00**
	(P.No.43 I.No 6.17.4)								
d	10sqmm	No					12	8.00	**96.00**
	(P.No.43 I.No 6.17.5)								
e	25 sqmm Long Barrel	No					15	20.00	**300.00**
	(P.No.43 I.No 6.17.7)								
59	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/79 and also comply with IS:1709/1984 with latest amendment, Rated voltage 220 V/ 50 Hz, Rated power input 48 W +/- 10 %, Rated current As per IS:374/79, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value ≥ 4.2 CMM / Watt, Three Blades of blade leaf 1.05mm thick Aluminium Alloy sheet, Class B motor insulation,Bearing Two ball bearings, Top 6202, Bottom 6201 , as per IS specification, Motor wdg. Temp rise Shall not exceed 75 degC over and ambient of 40 0C by resistance method at 245Volts, Insulation resistance Shall not be less than Two Mega Ohms (2 M Ohms), Leakage current Should not exceed 210Micro Amp, Power input, watt& current , Air Delivery & Fan Speed as per IS:374/1979 with latest amendment, 2 year manufacturer Warranty 48" Sweep 5 Star (1200mm)								
	(P.No.46 I.No 7.4.1)	No					15	2900.00	**43500.00**
	PART-F-LIGHT FIXTURES								
60	Supplying & fixing retrofit type -PL- LED Lamp 8-9W LED linear source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to beintegrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to275 volts. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. 8-9 Watts								
	(P.No.64 I.No 12.2.1)	No					26	350.00	**9100.00**
61	Supplying of .....feet - PVC Batten with integrated LED tube.....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.LED light fighting 1 x4'- 20/22 w								
a	LED light fighting 1 x4'-	No					15	375.00	**5625.00**
	(P.No.64 I.No 12.3.2)								
b	LED light fighting 2x 4' -	No					6	625.00	**3750.00**
	(P.No.64 I.No 12.3.3)								

62	Fixing all types and all capacities of fluorescent / false ceiling/ spot light / CFL / LED fittings indoor on the wall / ceiling /rafters / girders using 23/0.0076" twin twisted PVC insulatedwires, required Nos of round blocks and clamps.								
	(P.NO.79,14.7.1)	No					15	110.00	1650.00
							Sub Total		1371079.54

1370979.54

Assistant Engineer
Ward No 16

Assistant Executive Engineer
Yashwanthapura sub Division

Executive Engineer
RR Nagar Division